

[0063] CLAIMS

What is claimed is:

1. A method of transferring health-related information in real-time, the method comprising:

receiving health-related information transmitted from a first end of a network pathway between a portable healthcare device and a remote information site, the network pathway having a series of segments, each segment, immediately upon receipt, to prepare the health-related information with appropriate data for reading at the next segment along the network pathway towards a second end of the network pathway;

immediately passing the health-related information through a server interface to prepare the health-related information for reading at the next segment along the network pathway towards the second end; and

sending the health-related information across the network pathway for receipt at the second end.

2. The method of claim 1, wherein the preparing of the health-related information includes removing the health-related information from a wrapper and wherein the sending of the health-related information is across a wireless portion of the network pathway for receipt at the portable healthcare device.

3. The method of claim 1, wherein the preparing of the health-related information includes placing the health-related information into a wrapper acceptable for reading at the next segment along the network pathway towards the remote information site.
4. The method of claim 1, wherein the network pathway includes a virtual private network portion at the remote information site.
5. The method of claim 4, wherein sending of the health-related information is across a wide area network portion of the network pathway for receipt at the remote information site.
6. The method of claim 1, wherein one segment in the network pathway is a network host having an interface to unwrap the health-related information and place the health-related information into a wrapper acceptable for reading at the next segment along the network pathway towards the second end.
7. The method of claim 6, wherein the network host is further to translate the health-related information from a remote information site protocol to a user system protocol or from a user system protocol to a remote information site protocol.

8. The method of claim 1, further including back-end processing of raw health-related information generated through an application running on the portable healthcare device.
9. The method of claim 8, wherein the back-end processing is speech recognition of voice health-related data, verification of digital electronic signature data, fingerprint recognition of fingerprint image data, or retinal recognition of eye image data.
10. A method of transferring health-related information in real-time, the method comprising:
- receiving, by a portable healthcare device, health-related information from across a wireless portion of a network pathway having a series of segments, each segment, immediately upon receipt, to prepare the health-related information with appropriate data for reading at the next segment along the network pathway from a remote information site and towards the portable healthcare device, and
- presenting the health-related information in real-time for a user.
11. The method of claim 10, wherein the network pathway includes a virtual private network portion at the remote information site.

12. The method of claim 10, further including generating raw health-related information for further processing by an access server.
13. The method of claim 12, wherein the raw health-related information is voice data, digital electronic signature data, fingerprint image data, or eye image data.
14. A health system for real-time data transmission along a network pathway, comprising:
- a) a portable healthcare device to send health-related information to and/or receive health-related information from across a wireless portion of a network pathway having a series of segments, each segment, immediately upon receipt, to prepare the health-related information with appropriate data for reading at the next segment along the network pathway between a remote information site and the portable healthcare device, and
 - b) an access server having an interface to prepare the health-related information for reading at the next segment along the network pathway, the access server to send the prepared health-related information across the network pathway.
15. The system of claim 14, wherein the network pathway includes a virtual private network portion at the remote information site.

16. The system of claim 14, wherein the remote information site is an application service provider.
17. The system of claim 14, further including a network host in the network pathway having an interface to unwrap the health-related information and place the health-related information into a wrapper acceptable for the next segment along the network pathway.
18. The system of claim 14, further including processing of raw health-related information generated through an application running on the portable healthcare device.
19. A computer accessible medium having stored therein a plurality of sequences of executable instructions, which, when executed by a processor, cause the system to:
- receive health-related information transmitted from a first end of a network pathway between a portable healthcare device and a remote information site, the network pathway having a series of segments, each segment, immediately upon receipt, to prepare the health-related information with appropriate data for

reading at the next segment along the network pathway towards a second end of the network pathway;

immediately pass the health-related information through a server interface to prepare the health-related information for reading at the next segment along the network pathway towards the second end; and

send the health-related information across the network pathway for receipt at the second end.

20. The computer accessible medium of claim 19, wherein the wherein the preparing of the health-related information includes removing the health-related information from a wrapper and wherein the sending of the health-related information is across a wireless portion of the network pathway for receipt at the portable healthcare device
21. The computer accessible medium of claim 19, wherein the preparing of the health-related information includes placing the health-related information into a wrapper acceptable for reading at the next segment along the network pathway towards the remote information site.
22. The computer accessible medium of claim 19, wherein the network pathway includes a virtual private network portion at the remote information site.

23. The computer accessible medium of claim 19, wherein one segment in the network pathway is a network host having an interface to unwrap the health-related information and place the health-related information into a wrapper acceptable for reading at the next segment along the network pathway towards the second end.
24. The computer accessible medium of claim 19, wherein the network host is further to translate the health-related information from a remote information site protocol to a user system protocol or from a user system protocol to a remote information site protocol.
25. The computer accessible medium of claim 19, further including additional sequences of executable instructions, which, when executed by the processor further cause the system to process raw health-related information generated through an application running on the portable healthcare device.
26. The computer accessible medium of claim 25, wherein the processing is speech recognition of voice health-related data, verification of digital electronic signature data, fingerprint recognition of fingerprint image data, or retinal recognition of eye image data.

27. A method of transferring health-related information in real-time, the method comprising:

receiving health-related information transmitted from a remote information site of a network pathway between a portable healthcare device and the remote information site, the network pathway having a series of segments, each segment including an interface to, immediately upon receipt, prepare the health-related information with appropriate data for reading at the next segment along the network pathway towards the portable healthcare device;

passing the health-related information through a server interface to remove the health-related information from a wrapper; and

sending the health-related information across a wireless portion of the network pathway for receipt at the portable healthcare device.

28. The method of claim 27, wherein the network pathway includes a virtual private network portion at the remote information site.

29. The method of claim 27, further including processing of raw health-related information generated through an application running on the portable healthcare device.

30. The method of claim 29, wherein the processing is speech recognition of voice health-related data, verification of digital electronic signature data, fingerprint recognition of fingerprint image data, or retinal recognition of eye image data.

T.03260" 01229660